

AMENDMENTS TO THE SPECIFICATION

*Page 3, lines 9-20:*

An advantage of the event measurement consists of a high precision being able to be achieved by averaging a plurality of measurements, while only a very small amount of data has to be coped with. It is a disadvantage that the event measurement naturally does not allow any improvement in the sensitivity since the sensitivity is fixed by the position of the comparator threshold which requires a specific spacing of the signal pulses of interest from the noise and which has to be set in accordance with this signal/noise spacing. A further disadvantage of the event measurement consists of the fact that only one single signal pulse, also known as an echo, can be evaluated per transmitted radiation pulse without an expensive and/or complex expansion of the evaluation electronics, [[sine]] since the transmitted radiation pulse starts the time measurement and the echo, i.e. the signal pulse detected at the receiver, stops the time measurement.